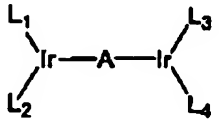
IN THE CLAIMS:

The following listing of the claims replaces all earlier listings and all earlier versions.

1. (Canceled).

2. (Previously presented) An emissive iridium (III) complex suitable for use in an emissive layer of an OLED, having the formula:



(III)

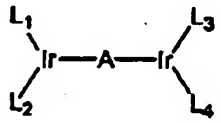
wherein A is a group L′-R-L″ in which R is a divalent hydrocarbon radical, and L′, L″, L_1, L_2, L_3 and L_4 are heteroaromatic ligands having a carbon atom covalently bonded to the iridium atom and a nitrogen atom complexed to the iridium atom, wherein L_1, L_2, L_3 and L_4 are the same and not the same as L′ or L″.

3. (Canceled).

4. (Canceled).

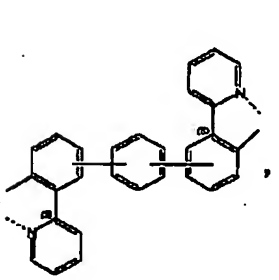
5. (Canceled).

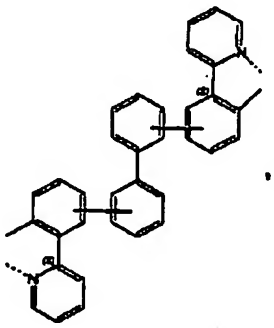
2/6. (Previously presented) An emissive iridium (III) complex suitable for use in an emissive layer of an OLED, having the formula:

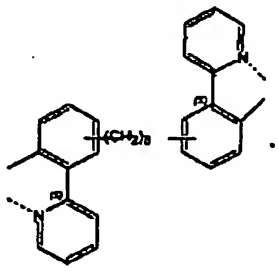


(III)

wherein L_1, L_2, L_3 and L_4, which may be the same or different, are heteroaromatic ligands having a carbon atom covalently bonded to the iridium atom and a nitrogen atom complexed to the iridium atom, and wherein A is selected from the group consisting of:



, 

, and 

.

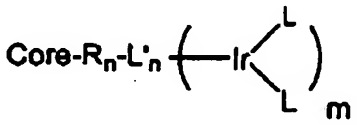
3/7. (Previously presented) An organic light emitting device comprising an anode, a cathode and an emissive layer, wherein the emissive layer comprises the emissive iridium (III) complex of claim ~~2~~ 1 or claim ~~6~~ 2.

4/8. (Original) The organic light emitting device of claim ~~7~~ 3, wherein said complex is doped in a host material in said emissive layer.

5 ~~9.~~ (Original) The organic light emitting device of claim ~~7~~ 3, wherein said complex is not doped in a host material.

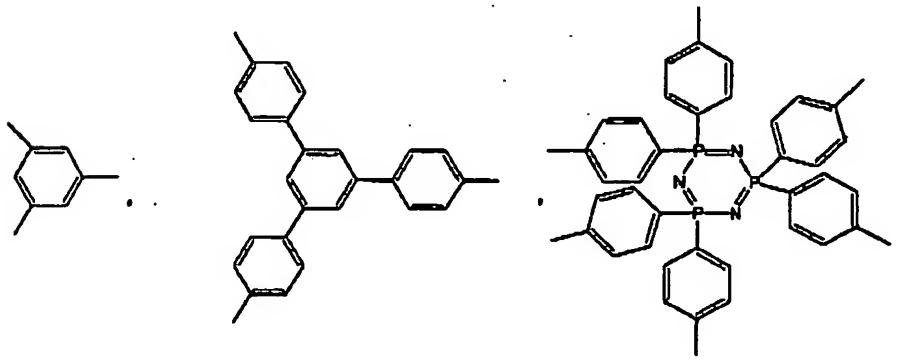
6 ~~10.~~ (Original) The organic light emitting device of claim ~~7~~ 3, having a theoretical efficiency greater than 25 percent.

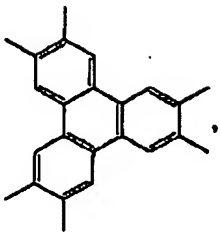
7 ~~11.~~ (Currently Amended) An emissive iridium(III) complex suitable for use in an emissive layer of an OLED, having the structure



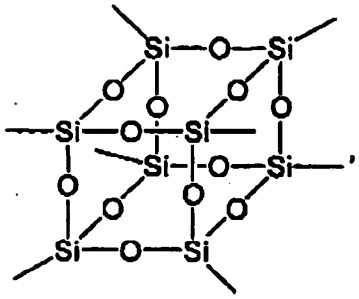
(IV)

wherein each Rn is a divalent hydrocarbon radical, L'n is a ligand having a carbon covalently bonded to the iridium atom and a nitrogen atom complexed to the respective iridium atom, and each ligand L, which may be the same or different, has a carbon atom covalently bonded to the iridium atom and a nitrogen atom complexed to the respective iridium atom, and wherein Core is selected from the group consisting of:





, and



~~and wherein n and m are integers equal to the valence of Core~~

wherein n is 3-12, and

m is an integer equal to the valence of Core.

12. (Canceled).

8 13. (Previously presented) An organic light emitting device comprising an anode, a cathode, an electron transport layer, a hole transport layer, an electron transport/hole blocking layer, and an emissive layer comprising an iridium (III) complex according to claim 11.

9 ~~14.~~ 8 (Original) The organic light emitting device of claim ~~13~~ having a theoretical device efficiency greater than 25 percent.